

REMARKS

Claims 1, 6, 9 and 10 are pending in this application, and all claims are rejected over the Examiner's formal objections to the specification.

First, the Examiner objects to the specification because the notation "SEQ. ID. NO.:" has extraneous periods.

The notation has been changed to "SEQ ID NO.:" at pages 7, 8 and 11 of the substitute specification.

Second, the Examiner objects to the specification because, in her opinion, Tris-HCl and Triton X-100 (on pages 17 and 22 of the specification, respectively) are trademarks that should be capitalized and accompanied by generic terminology.

As explained in our Amendment filed October 6, 2004, *Tris-HCl is not a trademark.* Nevertheless, Applicants have amended the substitute specification to include the full chemical name to avoid any confusion. The term "Triton X-100" has been changed to "TRITON™ X-100 Surfactant." The product information for TRITON™ X-100 is submitted herewith in support of the generic terminology.

Finally, the Examiner maintains the rejection under 35 USC § 112, first paragraph, because the specification has not been amended to include the date of the deposit and the address of the depository.

Page 16 of the specification has been amended to include the original deposit date of July 27, 2000, as well as the address of the depository.

Amendment under 37 C.F.R. § 1.116
Application No. 10/089,678

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If the Examiner becomes aware of any other issues of a typographical or formal nature the Examiner is kindly requested to contact the undersigned at the telephone number listed below for speedy resolution of the same.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

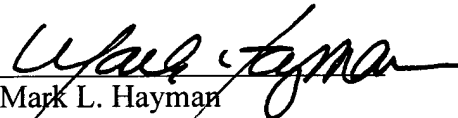
Respectfully submitted,

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER


Mark L. Hayman
Registration No. 51,793

Date: April 28, 2005

Product Information



DOW Surfactants

Page 1 of 2

TRITON™ X-100 Surfactant

Benefits <ul style="list-style-type: none"> • Excellent detergent & oil-in-water emulsifier for many applications • Excellent wetting agent • Effective performance across a broad temperature range • Readily biodegradable (OECD 301B & E) 	Applications <ul style="list-style-type: none"> • Detergent & wetting agent for hard surface cleaners, metal cleaners, paper production, and textile processing • Wetting agent and dispersant for paints & coating systems • Emulsifier & process aid for metalworking fluids, agrochemicals, and oilfield applications 																																
Physical Properties <table> <tr> <td>Actives, wt%</td><td>100</td></tr> <tr> <td>Solvent</td><td>None</td></tr> <tr> <td>Appearance</td><td>Transparent, pale yellow liquid</td></tr> <tr> <td>Cloud point, 1% aq solution, °C (°F)</td><td>66 (151)</td></tr> <tr> <td>HLB</td><td>13.4</td></tr> <tr> <td>pH, 5% aq solution</td><td>6</td></tr> <tr> <td>Viscosity at 25°C (77°F), cP</td><td>240</td></tr> <tr> <td>Density at 25°C (77°F), g/mL</td><td>1.061</td></tr> <tr> <td>Flash Pt, Closed Cup, ASTM D93</td><td>251°C 485°F</td></tr> <tr> <td>Pour point, °C (°F)</td><td>2 (36)</td></tr> </table> <p>NOTE: Additional physical and chemical property data is located on the product Material Safety Data Sheet.</p>	Actives, wt%	100	Solvent	None	Appearance	Transparent, pale yellow liquid	Cloud point, 1% aq solution, °C (°F)	66 (151)	HLB	13.4	pH, 5% aq solution	6	Viscosity at 25°C (77°F), cP	240	Density at 25°C (77°F), g/mL	1.061	Flash Pt, Closed Cup, ASTM D93	251°C 485°F	Pour point, °C (°F)	2 (36)	Performance Properties <table> <tr> <td>Equilibrium surface tension¹, dynes/cm</td><td>31</td></tr> <tr> <td>Dynamic surface tension², dynes/cm</td><td>45</td></tr> <tr> <td>Critical micelle concentration in distilled water at 25°C (77°F), ppm</td><td>130</td></tr> <tr> <td>Draves 25 sec wetting conc, wt% at 25°C (77°F)</td><td>0.06</td></tr> <tr> <td>Ross-Miles Foam Test, Initial/5 min, 0.1% at 25°C (77°F), mm</td><td>110/100</td></tr> <tr> <td>50°C (122°F)</td><td>110/25</td></tr> </table> <p>¹Measured at 0.1 wt% and 25 °C (77 °F) ²Measured at 0.1 wt% and 25 °C (77 °F), Maximum Bubble Pressure at 4 bubbles/sec</p>	Equilibrium surface tension ¹ , dynes/cm	31	Dynamic surface tension ² , dynes/cm	45	Critical micelle concentration in distilled water at 25°C (77°F), ppm	130	Draves 25 sec wetting conc, wt% at 25°C (77°F)	0.06	Ross-Miles Foam Test, Initial/5 min, 0.1% at 25°C (77°F), mm	110/100	50°C (122°F)	110/25
Actives, wt%	100																																
Solvent	None																																
Appearance	Transparent, pale yellow liquid																																
Cloud point, 1% aq solution, °C (°F)	66 (151)																																
HLB	13.4																																
pH, 5% aq solution	6																																
Viscosity at 25°C (77°F), cP	240																																
Density at 25°C (77°F), g/mL	1.061																																
Flash Pt, Closed Cup, ASTM D93	251°C 485°F																																
Pour point, °C (°F)	2 (36)																																
Equilibrium surface tension ¹ , dynes/cm	31																																
Dynamic surface tension ² , dynes/cm	45																																
Critical micelle concentration in distilled water at 25°C (77°F), ppm	130																																
Draves 25 sec wetting conc, wt% at 25°C (77°F)	0.06																																
Ross-Miles Foam Test, Initial/5 min, 0.1% at 25°C (77°F), mm	110/100																																
50°C (122°F)	110/25																																
Solubility and Compatibility <ul style="list-style-type: none"> • Soluble in water • Miscible in most polar organic solvents & aromatic hydrocarbons • Insoluble in aliphatic hydrocarbons • Chemically stable most acidic & alkaline solutions • Compatible with anionic, cationic, and other nonionic surfactants 	Chemical Description Name: Octylphenol ethoxylate Surfactant Type: Nonionic <div style="text-align: center;"> </div> <p>R = octyl (C8) x = 9.5 (avg)</p>																																

Additional product information and performance data is available by requesting datasheets that are listed on the backside of this page.

DOW Surfactants

Page 2 of 2

Datasheets

- DOW Specialty Surfactants Reference Chart, 119-01491
- TRITON & TERGITOL Surfactants for Household, Industrial & Institutional Cleaning CD, 119-01465-0501
- TRITON & TERGITOL Surfactants for Agrochemical Applications CD, 119-01540
- TRITON & TERGITOL Surfactants for Paint, Coatings, Adhesives, Stabilizers & Emulsion Polymerization CD, 119-01536
- Contact DOW Customer Service for current listing on conformance of TRITON Surfactants with U.S. FDA and EPA Regulations

DOW Surfactants

For more information about DOW Surfactants,
contact The Dow Chemical Company:

North America.....1-800-447-4369

Latin America.....1-517-832-1556

Europe.....(+31) 20-691-6418

Asia/Pacific.....(+886) 2715-3388

<http://www.dow.com>

NOTICE: No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

* Trademark of The Dow Chemical Company

Form No. 119-01882